



October 2003

Learning to fly



WRIGHT-PATTERSON AIR FORCE BASE, Ohio — Roberto Van de Wyngard of the Air Force Research Laboratory's Sensors Directorate shows Nick Wahl of Dayton the finer points of flying an F-16 simulator. The Sensors Directorate had an exhibit at the Dayton Convention Center during the 40th Association of Old Crows (AOC) International Symposium and Convention held Sept. 21-24. The symposium was held in Dayton to celebrate the 100th Anniversary of flight. The AOC is a nonprofit international professional association with more than 14,000 members and 113 corporate members engaged in the science and practice of electronic warfare and information operations. (Air Force photo by Michael Grinnell)

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fiberglass cover, which allowed them to test the exact dimensions and clearances of the duct structure, and to determine how the AFRPE-4 wrap would fit in the aircraft. Then they developed a design process for a rigid steel tool, which will allow manufacturers to cure and fashion the cover at the 700 degrees F temperature needed for the cure of the AFRPE-4 resin with the glass fiber fabric. In addition, an ACO engineer met with maintainers on the flightline to discuss application of the new duct cover.

Ogden Air Logistics Center, Hill Air Force Base, will manufacture and produce the air duct covers at their unique high-temperature capable production facility. The B1-B SPO authored instructions, which were reviewed by ACO experts that will enable Air Force maintainers to apply the new covers as a field level repair during the B-1B's regular maintenance intervals. The Air Force currently has 60 B1-B aircraft in its fleet. @